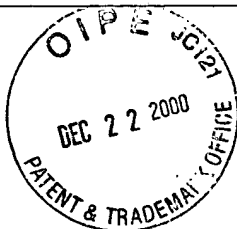


# INEEL

Idaho National Engineering & Environmental Laboratory  
BECHTEL BWXT IDAHO, LLC

2766  
2131  
#6  
P.O. Box 1625  
2525 North Fremont Ave.  
Idaho Falls, Idaho 83415  
(208) 526-0111



December 18, 2000

CCN 16483

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Technology Center 2100

Attn Group Art Unit 2766  
Assistant Commissioner for Patents  
Washington, D.C. 20231

LIT-PI-484, "DIGITAL SIGNATURE SYSTEM WITH NONREPUDIATION FOR  
RELATIONAL DATABASES"

Dear Sir:

Enclosed is an Information Disclosure Statement together with PTO Form 1449 and listed art,  
and a return receipt postcard.

Sincerely,

A handwritten signature in cursive script that reads "Patricia A. Butikofer".

Patricia A. Butikofer  
Intellectual Property Administrator  
Technology Transfer Office

PB

Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Inventor(s):** Bennett J. Groeneveld, et al

**Serial No.:** 09/544,777

**Examiner:** Unknown

**Filing Date:** 04/07/00

**Group Art Unit:** 2766

**Title:** DIGITAL SIGNATURE SYSTEM WITH NONREPUDIATION FOR RELATIONAL DATABASES

**Assistant Commissioner for Patents**  
**Washington, D.C. 20231**

**INFORMATION DISCLOSURE STATEMENT**

Sir:

This Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last.

It is requested that the newly discovered information disclosed herein be made of the record in this application.

Respectfully submitted,

By Alan D. Kirsch  
Alan D. Kirsch  
Reg. No.: 33,720

Date: 12/18/00

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8a)

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

☒ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231

Date: 12-18-00

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

Patricia Buttkofer  
Signature  
Patricia Buttkofer  
(Type or print name of person certifying)

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
LIT-PI-484 - ~~ADK-20-99~~SERIAL NO.  
09/544,777LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Bennett J. Groenveld et al.FILING DATE  
April 7, 2000GROUP  
Unknown

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA					
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## FOREIGN PATENT DOCUMENTS

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						Yes	No
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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AR		"Public Key Solutions - Secure Digital ... Information Systems and E-commerce."; <a href="http://www.gradkell.com/pks.html">http://www.gradkell.com/pks.html</a> ; 6 pages.
	AS		"PureEdge Solutions"; "Creating Binding E-Commerce, Legally Binding XML Solutions; <a href="http://www.uwi.com/faq/faq.html">http://www.uwi.com/faq/faq.html</a> ; 3 pages
	AT		"Digital Signatures Guidelines - Tutorial" "American Bar Association Section of Science and Technology Information Security Committee";
			<a href="http://abanet.org/scitech/ec/lisc/dsg-tutorial.html">http://abanet.org/scitech/ec/lisc/dsg-tutorial.html</a> ; 6 pages

EXAMINER

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. LIT-PI-484 - <del>ADK-20-99</del>	SERIAL NO. 09/544,777
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Bennett J. Groenveld et al.	
				FILING DATE April 7, 2000	GROUP Unknown

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)		
	AR	"MIT distribution site for PGP" "Welcome to the MIT Distribution Center for PGP(Pretty Good Privacy)"; <a href="http://web.mit.edu/netwrok/pgp.html">http://web.mit.edu/netwrok/pgp.html</a> ; 3 pages
	AS	"iLUMIN" iLUMIN™ Process" wysiwyg://233/http://www.ilumin.com.technology/process; 3 pages
	AT	"Transuranic Reporting, Inventory, and Processing System (TRIPS) Information Model Dictionary"; Release 2.0; Herring, C.A. and Chirstiansen, D.W.; March 1998; pps. 1-196.

EXAMINER	DATE CONSIDERED
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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

LIT-PI-484 - ~~XXXXXX~~

SERIAL NO.

09/544,777

## LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Bennett J. Groenveld et al.

FILING DATE

April 7, 2000

GROUP

Unknown

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						Yes	No
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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

✓	AR		"ABA Digital Signatures Guidelines"; "Legal Infrastructure for Certification Authorities and Secure Electronic Commerce"; August 1, 1996; pps. 1-132
✓	AS	✓	"TRIPS Mini Design R3.0"; B. Groeneveld, W. Austad, C. Herring, K. Wagner; pps. 1-5.
✓	AT		"TRIPS Technical Investigation"; Scalability of Electronic Approval Snapshots: OS Flat Files vs. LDAP; S. Walsh, B. Novak, W. Austad; May 5, 1998; 3 pages.

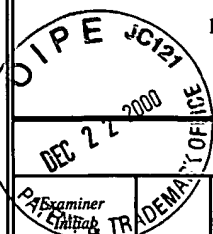
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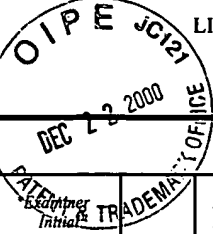
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		"TRIPS Mini Design" "Data Validation Business Rules"; M. Sherick, K. Lundquist; L. Pask; E. Dumas, S. Hailey, R. Arbon, G. Hayes, G. Twedell, C. Crowder, and B. Evans; July 15, 1998; pps. 1-5.				
	AS		"TRIPS Mini Design" "Electronic Signature Architecture"; W. Austad, S. Walsh, C. Herring, and B. Groeneveld; September 28, 1998; pps. 1-8.				
	AT		"Transuranic Reporting, Inventory, and Processing System (TRIPS) Electronic Signature Background Document"; November 3, 1997; pps. 1-22.				
EXAMINER				DATE CONSIDERED			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

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				APPLICANT Bennett J. Groenveld et al.  FILING DATE April 7, 2000  GROUP Unknown			
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		"PKCS #1: RSA Encryption Standard, Version 1.5"; RSA Laboratories; November 1, 1993; pps. 1-37.				
	AS		"TRIPS Mini Design" "Electronic Approval (Draft - R4 Design Base)"; W. Austad, S. Walsh, C. Herring; April 7, 1998; pps. 1-37.				
	AT		"PKCS #11: Cryptographic Token Interface Standard; Version 2.01; December 22, 1997; pps. 1-246.				
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		"Useful Terminal Services Resource Kit Utilities" <a href="http://support.microsoft.com/support/kb/articles/Q240/4/44.ASP?LN=EN-US&amp;SD=gn&amp;FR=0">http://support.microsoft.com/support/kb/articles/Q240/4/44.ASP?LN=EN-US&amp;SD=gn&amp;FR=0</a> ; August 8, 2000; 2 pages.				
	AS		"JetForm" "FormFlow®"; "The Next Generation E-forms Solution from JetForm"; "Product White Paper"; pps. 1-29.				
	AT		"Non-Repudiatible - Electronic Signatures in the Transuranic Reporting and Inventory Processing System"; R.G. Oesterling, W.E. Austad; B.J. Groenveld; C.A. Herring, C. Mancuso; S.C. Walsh; pps. 1-17.				
EXAMINER				DATE CONSIDERED			
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		"Enterprise Reality" "Creating Data Confidence Through Access Controls and Electronic Signatures"; Carol Mancuso; May 3-6, 1998; pps. 1-36.				
	AS		"Using Public Key Digital Signatures in Paperless Information Systems" <a href="http://www.gradkell.com/PKI/">http://www.gradkell.com/PKI/</a> ; 6/4/99; pps. 1-18				
	AT						
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